

In re: Meyers
Appl. No.: 09/464,039
Filed: December 15, 1999
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In the section entitled "Detailed Description of the Invention," please amend the paragraph on page 12, lines 10-13, as follows:

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The invention thus relates to novel ADHs having the deduced amino acid sequence shown in Figures 1, 7, 11, 15, and 19, or the amino acid sequences shown in SEQ ID NOS:1, 3, 5, 7, and 9, or the amino acid sequences encoded by the cDNA inserts of the plasmids deposited as ATCC Patent Deposit Nos. PTA-2170, PTA-2812, PTA-2171, and PTA-2813.

Please amend claims 61, 62, 72, and 73 as follows:

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61. (Amended) An isolated nucleic acid molecule selected from the group consisting of:
- a) a nucleic acid molecule comprising a nucleotide sequence which is at least 45% identical to the nucleotide sequence of SEQ ID NO:8, the cDNA insert the plasmid deposited with ATCC as Patent Deposit Number PTA-2170, or a complement thereof;
 - b) a nucleic acid molecule comprising a fragment of at least 15 nucleotides of the nucleotide sequence of SEQ ID NO:8, the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170, or a complement thereof;
 - c) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170;
 - d) a nucleic acid molecule which encodes a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170, wherein the fragment comprises at least 12 contiguous amino acids of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170; and

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cont.

e) a nucleic acid molecule which encodes a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170, wherein the nucleic acid molecule hybridizes to a nucleic acid molecule comprising SEQ ID NO:8, or a complement thereof under stringent conditions.

62. (Amended) The isolated nucleic acid molecule of claim 61, which is selected from the group consisting of:

a) a nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO:8, the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170, or a complement thereof; and

b) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170.

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72. (Amended) A method for producing a polypeptide selected from the group consisting of:

a) a polypeptide comprising the amino acid sequence of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170;

b) a polypeptide comprising a fragment of the amino acid sequence of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170, wherein the fragment comprises at least 12 contiguous amino acids of SEQ ID NO:7, or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC as Patent Deposit Number PTA-2170; and